

AN ANNOTATED LIST OF THE BUTTERFLIES AND  
SKIPPERS OF CUBA  
(LEPIDOPTERA, RHOPALOCERA)

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(Continued from VOL. LXII, No. I)

Family DANAIDÆ

Subfamily DANAINÆ

Tribe DANAINI

Genus *Danaus* Kluk

*Danaus* Linnæus, 1758.

*Danaus* Kluk, 1780.

*Danaida* Latreille, 1804.

*Anosia* Hübner, 1816.

*Danais* Latreille, 1819.

*Danaomorpha* Kremky, 1925.

*Panlymnas* Bryk, 1937.

*Diogas* d'Almeida, 1938.

Genotype: *Papilio plexippus* Linnæus, 1758.

According to Opinion Number 124 of The International Commission on Zoological Nomenclature, Linnæus did not use the word *Danaus* as a generic term. (See Smithsonian Misc. Coll. vol. 73, No. 8, p. 1, Oct. 28, 1936).

62. DANAUS (DIOGAS) PLEXIPPUS MENIPPE (Hübner)  
(The Monarch)

*Anosia menippe* Hübner, 1816.

*Danais erippus*: Gundlach, 1881: 23.

*Anosia* (*Danaida*) *plexippus*: Abbot, 1914: 205.

*Danaida* (*Anosia*) *archippus*: Kremky, 1925: 166.

*Anosia plexippus*: Showalter, 1927: 113; Fazzini, 1934: 18; J. H.

Comstock & A. B. Comstock, 1936: 204.

- Danaus plexippus plexippus*: Clark, 1932: 115; id., 1941: 533; Bates, 1935: 145; Field, 1938b: 127; Comstock, 1944: 430; Bruner, Scaramuzza & Otero, 1945: 17; J. A. Ramos, 1946: 52; S. L. de la Torre, 1946: 106; id., 1946b: 109, 117; id., 1947: 19.
- Danaus plexippus*: Hoffmann, 1933: 227; id., 1936: 262; Holland, 1942: 68; Avinoff & Shoumatoff, 1946: 274.
- Diogas curassavicae*: d'Almeida, 1939: 44; Hoffmann, 1940c: 663.
- Danaus (Anosia) curassavicae curassavicae*: Berger, 1939: 191.
- Danaus erippus menippe*: Forbes, 1939: 133.
- Danaus plexippus*: Brown, 1944b: 238; Evans, Kloet, Hincks. . , 1946: 4; Weiss & Boyd, 1950: 164; Judd, 1950: 169; Garth, 1950: 15.
- Danaus menippe menippe*: Chermock, 1947: 2.
- Danaus (Danaida) plexippus plexippus*: Dufrane, 1948: 192.
- Danaus plexippus menippe*: Field, 1950: 236.
- Danaus (Diogas) plexippus menippe*: S. L. de la Torre, 1951: 95.
- Illustrations.—Kremky, 1925: pl. XX, f. 3, (genital), text figs. 6-8, (legs), 9, (genital); Showalter, 1927: pl. 9, f. 12, p. 124, fig. not numbered; Clark, 1932: pl. 6, f. 4, pl. 58, f. 1, 2, pl. 63, f. 2, 3, pl. 64, f. 1, 2; id., 1941: pl. 71, f. 1; Fazzini, 1934: p. 19, f. not numbered; J. H. Comstock & A. B. Comstock, 1936: pl. I, f. 1, 2, (larva), f. 3, (chrysalis), f. 4, pl. XXVIII, f. 1, pl. XXXII, f. 3; d'Almeida, 1939: pl. 4, f. 5, 6, 8, (genital), pl. 5, f. 5, 7, pl. 16, f. 1, 3; id., 1944: pl. 2, f. 1, 2; Holland, 1942: text figs. 4, 5, (eggs), 14, 15, (head of caterpillar), 16, 18, (larva), 23, 24, (larva and chrysalis), 29, 30, (head), 40, (venation), 41, 42, (section of larva), 80, (swarm of *D. plexippus* resting on a tree), pl. IV, f. 1-3, (chrysalis), pl. VII, f. 1; Comstock, 1944: pl. 5, f. 9; S. L. de la Torre, 1946b: pl. 13, f. 31-34; id., 1947: pl. I, f. 2; Weiss & Boyd, 1950: pl. XVI, f. 50a, 50b.

### 63. DANAUS (DIOGAS) PLEXIPPUS PLEXIPPUS (Linnæus)

*Papilio plexippus* Linnæus, 1758.

*Danaida (Anosia) archippus nigrippus*: Kremky, 1925: 167.

*Danaus plexippus nigrippus*: Field, 1938b: 128.

*Danaus erippus megalippe*: Forbes, 1939: 133.

*Diogas curassavicae nigrippus*: d'Almeida, 1939: 54.

*Danaus plexippus megalippe*: Clark, 1941: 536; Beatty, 1944: 156; S. L. de la Torre, 1947: 19.

*Diogas erippus?*: Schweizer, 1941: 11.

*Diogas curassavicae megalippe*: d'Almeida, 1944: 53.

*Danaus (Diogas) plexippus megalippe*: S. L. de la Torre, 1949: 65.

*Danaus plexippus plexippus*: Field, 1950: 236.

*Danaus (Diogas) plexippus plexippus*: S. L. de la Torre, 1951: 96.

This subspecies was reported by the writer in 1947. (See *Memo-ri- as de la Sociedad Cubana de His. Nat.*, vol. XIX, p. 19).

Illustrations.—Kremky, 1925: text fig. 10, (genital); d'Almeida, 1939: pl. 18, f. 3; Clark, 1941: pl. 71, f. 2; S. L. de la Torre, 1947: pl. I, f. 1; Garth, 1950: f. 7.

#### 64. DANAUS (DIOGAS) PLEXIPPUS PORTORICENSIS Clark

*Danaus plexippus portoricensis* Clark, 1941: 539; Comstock, 1944: 431; d'Almeida, 1944: 54; S. L. de la Torre, 1947: 20; Munroe, 1951: 56.

*Danaus megalippe portoricensis*: Forbes, 1943: 297.

*Diogas curassavicae portoricensis*: d'Almeida, 1944: 70.

*Danaus (Diogas) plexippus portoricensis*: S. L. de la Torre, 1949: 65; id., 1951: 96.

This subspecies was reported by the writer in 1949 (See *The Lepidopterists' News*, vol. III, No. 6, p. 65).

Illustrations.—Clark, 1941: pl. 72, f. 3, 4; d'Almeida, 1944: pl. 2, f. 1, 2; Comstock, 1944: text fig. 1, (venation); pl. 5, f. 10.

#### 65. DANAUS (DANAUS) GILIPPUS BERENICE (Cramer)

*Papilio berenice* Cramer, 1779.

*Danais berenice*: Gundlach, 1881: 24; Holland, 1942: 69.

*Anosia berenice*: Holland, 1916: 488; Showalter, 1927: 113; J. H. Comstock & A. B. Comstock, 1936: 207; Hoffmann, 1940c: 662.

*Danaus gilippus berenice*: Bates, 1935: 146; Forbes, 1939: 135; Bruner, Scaramuzza & Otero, 1945: 17; S. L. de la Torre, 1946: 106; Chermock, 1947: 2.

*Danaus berenice berenice*: Field, 1938b: 129; Clark, 1941: 541; S. L. de la Torre, 1947: 20.

*Anosia gilippus berenice*: d'Almeida, 1939: 23; id., 1944: 39.

*Anosia eresimus kaempfferi*: d'Almeida, 1939: 36; id., 1944: 41, 46.  
*Danaus (Danaus) gilippus berenice*: S. L. de la Torre, 1951: 97.  
 Illustrations.—Showalter, 1927: pl. IX, f. 11; d'Almeida, 1939: pl. 6, f. 1, (genital), pl. 15, f. 4; Clark, 1941: pl. 73, f. 3; Holland, 1942: pl. VII, f. 2; S. L. de la Torre, 1946: pl. 10, f. 45-47, 50, (scales); id., 1947: pl. 2, f. 7, 8.

66. DANAUS (DANAUS) GILIPPUS STRIGOSA (H. W. Bates)

*Danaüs strigosa* H. W. Bates, 1864.  
*Danaüs berenice strigosa*: Hoffmann, 1924: 1; id., 1933: 228.  
*Anosia berenice strigosa*: J. H. Comstock & A. B. Comstock, 1936: 208.  
*Danaüs berenice*: Hoffmann, 1936: 262.  
*Danaüs berenice strigosa*: Field, 1938b: 129; Clark, 1941: 541; S. L. de la Torre, 1947: 20; Garth, 1950: 16.  
*Danaüs gilippus strigosa*: Forbes, 1939: 135; Chermock, 1947: 2.  
*Anosia gilippus berenice* var. *strigosa*: d'Almeida, 1939: 25; id., 1944: 43.  
*Anosia berenice* form *strigosa*: Hoffmann, 1940c: 662.  
*Danaüs berenice* var. *strigosa*: Holland, 1942: 69.  
*Anosia berenice* race *strigosa*: Brown, 1944b: 237.  
*Danaüs (Danaüs) gilippus strigosa*: S. L. de la Torre, 1949: 65; id., 1951: 98.

This subspecies was reported by the writer in 1947 (See Mem. Soc. Cub. Hist. Nat., vol. XIX, p. 20).

Illustrations.—Hoffmann, 1924: f. 2; J. H. Comstock & A. B. Comstock, 1936: pl. XXXII, f. 2; d'Almeida, 1939: pl. 6, f. 2, (genital), pl. 7, f. 2, (genital), pl. 18, f. 1; Clark, 1941: pl. 73, f. 4; Holland, 1942: pl. VII, f. 3; S. L. de la Torre, 1947: pl. 2, f. 9.

67. DANAUS (DANAUS) GILIPPUS GILIPPINA (Hoffmann)

*Anosia berenice* form *gilippina* Hoffmann, 1940: 277; id., 1940c: 662; d'Almeida, 1944: 41.  
*Danaüs (Danaüs) gilippus gilippina*: S. L. de la Torre, 1949: 65; id., 1951: 98.

This subspecies was reported by the writer in 1949 (See The Lepidopterists' News, vol. III, No. 6, p. 65).

Illustrations.—Hoffmann, 1940: f. 3, 4; d'Almeida, 1944: pl. 1, f. 3, pl. 2, f. 3.

68. DANAUS (DANAUS) ERESIMUS TETHYS Forbes

*Danaus eresimus tethys* Forbes, 1943: 301.

*Danaus eresimus*: Bates, 1935: 146; Clark, 1941: 541; S. L. de la Torre, 1946: 106; id., 1947: 21.

*Danaüs eresimus*: Avinoff & Shoumatoff, 1946: 275.

*Danaus (Danaus) eresimus tethys*: S. L. de la Torre, 1951: 99.

This subspecies was described by William T. M. Forbes in 1943 (See Journal N. Y. Ent. Soc., vol. LI, p. 301).

Illustrations.—Clark, 1941: pl. 74, f. 1, 2; S. L. de la Torre, 1946: pl. 10, f. 48, 49, (scales); id., 1947: pl. 2, f. 6.

69. DANAUS (DANAUS) ERESIMUS MONTEZUMA Talbot

*Danaus eresimus montezuma* Talbot, 1943; Forbes, 1943: 299; Chermock, 1947: 2.

*Danaüs cleothera*: M. Sánchez Roig & G. S. Villalba, 1934: 109; id., 1934b: 32.

*Anosia eresimus cleothera*: d'Almeida, 1939: 34.

*Anosia cleothera*: Hoffmann, 1940c: 663; Brown, 1944b: 238.

*Danaus cleothera*: Clark, 1941: 539; S. L. de la Torre, 1947: 21.

*Anosia eresimus ares* d'Almeida, 1944: 46.

*Danaus (Danaus) eresimus montezuma*: S. L. de la Torre, 1949: 65; id., 1951: 100.

This subspecies was reported by Dr. Mario Sánchez Roig and Gastón S. Villalba in 1934 (See Mem. Soc. Cub. Hist. Nat., vol. VIII, No. 2, p. 109, and Revista de Agricultura, vol. 15, No. 55, p. 32).

Illustrations.—M. Sánchez Roig & G. S. Villalba, 1934b: f. 2 ?; d'Almeida, 1939: pl. 3, f. 1, 6, (genital), pl. 15, f. 5, pl. 16, f. 4; Clark, 1941: pl. 74, f. 3, 4; S. L. de la Torre, 1947: pl. 2, f. 4, 5.

Subfamily LYCOREINÆ

Tribe LYCOREINI

Genus *Lycorea* Doubleday

*Lycorea* Doubleday, 1847 (See Brown, 1941: 136).

*Lycorella* Hemming, 1933.

Genotype: *Lycorea atergatis* Doubleday & Hewitson, 1847 (See Brown, 1941: 136).

70. LYCOREA CERES DEMETER C. & R. Felder

*Lycorea demeter* C. Felder & R. Felder, 1867; Gundlach, 1881: 19.  
*Lycorea ceres demeter*: Bates, 1935: 147; d'Almeida, 1939: 88; id., 1944: 62; Comstock, 1944: 437; Bruner, Scaramuzza & Otero, 1945: 78; S. L. de la Torre, 1946: 106.  
 Illustrations.—d'Almeida, 1939: pl. 23, f. 1; S. L. de la Torre, 1946: pl. 10, f. 51, 52, (scales).

Tribe ANETHINI

Genus *Anetia* Hübner

*Anetia* Hübner, 1823, f. 1, 2.  
*Anelia* Hübner, 1823, f. 3, 4.  
*Clothilda* Blanchard, 1840.  
 Genotype: *Anetia numidia* Hübner, 1823?.

71. ANETIA (CLOTHILDA) NUMIDIA BRIAREA (Latreille)

*Argynnis briarea* Latreille, 1820.  
*Clothilda pantherata*: Gundlach, 1881: 27.  
*Anelia numidia numidia*: Bates, 1935: 148.  
*Anetia numidia*: d'Almeida, 1939: 60; id., 1944: 56.  
*Clothilda (Clothilda) numidia briarea*: Forbes, 1939: 108.  
*Anetia (Clothilda) numidia briarea*: S. L. de la Torre, 1952: 69.  
 Illustrations.—Bates, 1935: f. 9, (venation); d'Almeida, 1939: pl. 11, f. 8, 10, (genital), f. 15, (venation), pl. 12, f. 4, 10, (legs), f. 5, (palp), f. 17, (tarsus), pl. 13, f. 7, (genital), pl. 20, f. 1, 2.

72. ANETIA (CLOTHILDA) PANTHERATA CLARESCENS (Hall)

*Clothilda pantherata clarescens* Hall, 1925.  
*Clothilda numida*: Gundlach, 1881: 27.  
*Anelia pantherata clarescens*: Bates, 1935: 150; S. L. de la Torre, 1946: 106.  
*Anetia pantherata clarescens*: d'Almeida, 1939: 62; id., 1944: 57.  
*Clothilda (Clothilda) pantherata clarescens*: Forbes, 1939: 108.

*Anetia (Clothilda) pantherata clarescens*: S. L. de la Torre, 1952: 69. Illustrations.—d'Almeida, 1939: pl. 28, f. 2, 4; S. L. de la Torre, 1946: pl. 10, f. 53, 54, (scales).

73. ANETIA (SYNALPE) CUBANA (Salvin)

*Clothilda cubana* Salvin, 1869; Gundlach, 1881: 28.

*Anetia cubana*: Bates, 1935: 150; S. L. de la Torre, 1946: 106.

*Anetia cubana*: d'Almeida, 1939: 63; id., 1944: 57.

*Clothilda (Synalpe) cubana*: Forbes, 1939: 107.

*Anetia (Synalpe) cubana*: S. L. de la Torre, 1952: 69.

Illustrations.—d'Almeida, 1939: pl. 29, f. 1, 2.

Subfamily ITHOMINÆ

Genus *Hymenitis* Hübner

*Hymenitis* Anon. (Illiger?), 1807.

*Hymenitis* Hübner, 1816.

*Greta* Hemming, 1934.

Genotype: *Papilio diaphanus* Drury, 1773 (= *Hymenitis diaphane* Hbn., 1816).

We do not know whether a generic name of an anonymous author is accepted in Nomenclature. d'Almeida asked that question of the International Commission on Zoological Nomenclature (See his paper entitled "Alguns tipos de géneros da ordem Lepidoptera. Ia. Nota: Rhop., Fam. *Mechanitididae*. Papéis Avulsos do Dep. Zool. Secret. da Agric. São Paulo, vol. II, No. 14, p. 185). We await their opinion; meanwhile, agreeing with d'Almeida, we consider this name null and adopt the name *Hymenitis* Hübner, 1816, placing the name *Greta* Hemming, in the synonymy of the same.

74. HYMENITIS CUBANA Herrich-Schäffer

*Hymenitis cubana* Herrich-Schäffer, 1862; Gundlach, 1881: 19; Bates, 1935: 151; id., 1939: 2; Bruner, Scaramuzza & Otero, 1945: 38; S. L. de la Torre, 1946: 106.

Illustrations.—Bates, 1935: f. 10, (venation); S. L. de la Torre, 1946: pl. 10, f. 55, 56, (scales).

## Family SATYRIDÆ

## Subfamily SATYRINÆ

Genus *Calisto* Hübner

*Calisto* Hübner, 1823.

Genotype: *Papilio zangis* Fabricius, 1775.

## 75. CALISTO HEROPHILE HEROPHILE Hübner

*Calisto herophile* Hübner, 1823; Gundlach, 1881: 26; Lathy, 1899: 226; Holland, 1916: 494; Bates, 1935: 152; id., 1939: 3; Dethier, 1940: 14; Comstock, 1944: 480; S. L. de la Torre, 1946: 106.

*Calisto herophile herophile*: Bates, 1935b: 242; Michener, 1943: 6, id., 1949: 1; Munroe, 1950b: 225; S. L. de la Torre, 1952: 62.

Illustrations.—Lathy, 1899: pl. IV, f. 8, 9; Bates, 1935: f. 11, (venation); id., 1935b: f. 6, (genital); Dethier, 1940: pl. III, f. 1, (20. instar head capsule), f. 3, (first instar head capsule), f. 5, 6, (eggs), f. 9, 11, (color pattern on an abdominal segment); S. L. de la Torre, 1946: pl. 10, f. 57-62, (scales).

## 76. CALISTO HEROPHILE PARSONSI Clench

*Calisto herophile parsonsi* Clench, 1943: 26; Michener, 1949: 1; S. L. de la Torre, 1950: 72; id., 1952: 62.

*Calisto* sp.: Munroe, 1950b: 229.

This subspecies was captured by Dr. Carl T. Parsons in the Trinidad Mts., Las Villas province, and described as a new subspecies by Mr. Harry K. Clench in 1943 (See *Psyche*, vol. L, Nos. 1-2, p. 26).

## 77. CALISTO BRUNERI Michener

*Calisto bruneri* Michener, 1949: 2; S. L. de la Torre, 1952: 62.

This species was described by Dr. Charles D. Michener in 1949 (See *American Museum Novitates*, No. 1391, p. 2).

## 78. CALISTO SMINTHEUS SMINTHEUS Bates

*Calisto smintheus* Bates, 1935b: 242.

*Calisto delos* Bates, 1935b: 243; id., 1939: 4; Michener, 1943: 6; id., 1949: 2; S. L. de la Torre, 1949: 65.



*Calisto smintheus smintheus*: Bates, 1939: 3; Michener, 1943: 6; id., 1949: 1; S. L. de la Torre, 1949: 65; id., 1952: 62; Munroe, 1950b: 226.

This species was reported by Mr. Marston Bates in 1939 (See Mem. Soc. Cub. Hist. Nat., vol. XIII, p. 3).

Illustration.—Bates, 1935b: f. 9, (genital).

79. CALISTO SMINTHEUS MURIPETENS Bates

*Calisto smintheus muripetens* Bates, 1939: 3; Michener, 1943: 6; id., 1949: 1; S. L. de la Torre, 1949: 65; id., 1952: 63; Munroe, 1950b: 226.

This subspecies was described by Mr. Marston Bates in 1939 (See Mem. Soc. Cub. Hist. Nat., vol. XIII, p. 3).

80. CALISTO SMINTHEUS BRADLEYI Munroe

*Calisto smintheus bradleyi* Munroe, 1950b: 227; S. L. de la Torre, 1952: 63.

This subspecies was described by Eugene G. Munroe in 1950 (See Jour. N. Y. Ent. Soc., vol. LVIII, No. 4, p. 227).

Family NYMPHALIDÆ

Subfamily HELICONIINÆ

Tribe HELICONIINI

Genus *Heliconius* Kluk

*Heliconius* Kluk, 1802; Latreille, 1804 (part).

*Eueides* Hübner, 1816: 11.

*Sunias* Hübner, 1816: 12.

*Migonitis* Hübner, 1816: 12 (preoccupied in Mollusca).

*Ajantis* Hübner, 1816: 13.

*Apostraphia* Hübner, 1816: 13.

*Sicyonia* Hübner, 1816: 13.

*Heliconia* Godart, 1819 (part).

*Laparus* Billberg, 1820.

*Phlogris* Hübner, 1825.

*Semelia* Doubleday, 1844.

*Blanchardia* Buchecker (1880?); preoccupied in fishes.

*Heliconias* Boenninghausen, 1896.

Genotype: *Papilio charithonia* Linnaeus, 1767.

81. HELICONIUS (HELICONIUS) CHARITHONIUS RAMSDENI Comstock & Brown

*Heliconius charithonius ramsdeni* Comstock & Brown, 1950: 14.

*Heliconius charithonia*: Gundlach, 1881: 20.

*Heliconius charithonius*: Holland, 1916: 488.

*Heliconius charithonia charithonia*: Bates, 1935: 157; Bruner, Scaramuzza & Otero, 1945: 128.

*Heliconius charithonius charithonius*: Comstock, 1944: 438; Beatty, 1944: 156; J. A. Ramos, 1946: 52.

*Heliconius (Heliconius) charithonius charithonius*: S. L. de la Torre, 1949b: 192.

*Heliconius (Heliconius) charithonius ramsdeni*: S. L. de la Torre, 1952: 70.

Illustrations.—Michener, 1942: f. 1, (venation), f. 13, (harpe); Comstock & Brown, 1950: f. 3D.

82. HELICONIUS (HELICONIUS) CHARITHONIUS PUNCTATUS Hall

*Heliconius charithonia punctata* Hall, 1936: 276.

*Heliconius charithonius punctatus*: Comstock, 1944: 439; Beatty, 1944: 156; Comstock & Brown, 1950: 11.

*Heliconius (Heliconius) charithonius punctatus*: S. L. de la Torre, 1949: 65; id., 1949b: 192; id., 1952: 70.

This subspecies was annotated for Cuba by the writer in 1949 (See *The Lepidopterists' News*, vol. III, No. 6, p. 65, and *Memorias Sociedad Cubana de Hist. Nat.*, vol. XIX, p. 192).

Illustrations.—Comstock, 1944: pl. 7, f. 12; Comstock & Brown, 1950: f. 3A.

83. HELICONIUS (EUEIDES) CLEOBÆA CLEOBÆA (Geyer)

*Eueides cleobæa* Geyer, 1832, Gundlach, 1881: 22; id., 1891: 445.

*Eueides cleobæa cleobæa*: Bates, 1935: 158; Comstock, 1944: 440; Bruner, Scaramuzza & Otero, 1945: 128.

*Heliconius (Eueides) cleobæa*: Michener, 1942: 3.

*Heliconius (Eueides) cleobæa cleobæa*: S. L. de la Torre, 1949b: 192.

Genus *Philæthria* "Dalman" Billberg

*Philæthria* "Dalman" Billberg, 1820.

*Metamandana* Stichel, 1907.

Genotype: *Papilio dido* Clerch, 1764.

## 84. \* PHILÆTHRIA DIDO (Clerch)

*Papilio dido* Clerch, 1764.

*Metamandana dido*: Bates, 1935: 237; Hoffmann, 1940c: 674.

*Philæthria dido*: Michener, 1942: 3; S. L. de la Torre, 1949: 65; id., 1949b: 193.

This species is cited by Bates as doubtful; but we know that it has been observed on several occasions in Cuba.

Illustrations.—Michener, 1942: f. 8, (venation), f. 9, (harpé).

## Tribe DIONINI

Genus *Dryas* Hübner

*Dryas* Hübner, 1807.

*Colaenis* Hübner, 1819.

Genotype: *Papilio iulia* Fabricius, 1775.

## 85. DRYAS IULIA CILLENE (Cramer)

*Papilio cillene* Cramer, 1782.

*Colaenis delila*: Gundlach, 1881: 55.

*Colaenis julia cillene*: Holland, 1916: 489; Riley, 1926: 240.

*Colaenis julia nudeola*: Bates, 1935: 159; Bruner, Scaramuzza & Otero, 1945: 127.

*Colaenis cillene*: Holland, 1942: 78.

*Dryas iulia cillene*: S. L. de la Torre, 1949b: 193 (See W. P. Comstock, 1944: 443, and C. Michener, 1942: 4).

Illustrations.—Michener, 1942: f. 3, (venation), f. 12, (harpé); Holland, 1942: pl. LXXI, f. 1, 2.

Genus *Agraulis* Boisduval & Leconte

*Agraulis* Boisduval & Leconte, 1836?.

Genotype: *Papilio vanillæ* Linnaeus, 1758.

Dr. Charles D. Michener considers different the genus *Agraulis* Bsd. & Lec., 1836?, to the genus *Dione* Hübner, 1819 (See American Museum Novitates, No. 1215, p. 5).

86. AGRAULIS VANILLÆ INSULARIS Maynard

*Agraulis insularis* Maynard, 1889.

*Dione vanillæ*: Gundlach, 1881: 57; Hall, 1936: 276.

*Dione vanillæ* var. *insularis*: Holland, 1916: 490.

*Dione vanillæ insularis*: Riley, 1926: 243; Bates, 1935: 160; Comstock, 1944: 443; Beatty, 1944: 156; Bruner, Scaramuzza & Otero, 1945: 127; J. A. Ramos, 1946: 52; Avinoff & Shoumatoff, 1946: 275; Munroe, 1951: 56.

*Agraulis vanillæ insularis*: Michener, 1942b: 2; S. L. de la Torre, 1949b: 194.

Illustrations.—Michener, 1942: f. 6, (venation), f. 17, (harpé); Comstock, 1944: pl. 6, f. 4.

87. AGRAULIS VANILLÆ NIGRIOR Michener

*Agraulis vanillæ nigrior* Michener, 1942b: 7; S. L. de la Torre, 1949: 65; id., 1949b: 194.

This subspecies was reported by the writer in 1949 (See The Lepidopterists' News, vol. III, No. 6, p. 65, and Memorias Sociedad Cubana de Hist. Nat., vol. XIX, p. 194).

Subfamily NYMPHALINÆ

Genus *Euptoieta* Doubleday

*Euptoieta* Doubleday (not Hübner), 1848.

Genotype: *Papilio claudia* Cramer, 1775.

88. EUPTOIETA HEGESIA HEGESIA (Cramer)

*Papilio hegesia* Cramer, 1779.

*Euptoieta hegesia*: Gundlach, 1881: 44; id., 1891: 447; Holland, 1916: 491; Bates, 1935: 161; d'Almeida, 1941: 308; S. L. de la Torre, 1943: 140; Bruner, Scaramuzza & Otero, 1945: 184; Avinoff & Shoumatoff, 1946: 276.

*Euptoieta hegesia karibica* Stichel, 1938.

*Euptoieta hegesia hegesia*: Berger, 1939: 196; Comstock, 1944: 444; S. L. de la Torre, 1952: 65.

Illustrations.—Holland, 1942: pl. VIII, f. 8; S. L. de la Torre, 1943: pl. 16, f. 2; Comstock, 1944: text fig. 5, (the markings in the forewing discal cell).

89. EUPTOIETA CLAUDIA (Cramer)

*Papilio claudia* Cramer, 1775.

*Euptoieta claudia*: Clark, 1932: 114; J. H. Comstock & A. B. Comstock, 1936: 109; Hoffmann, 1936: 262; id., 1940c: 674; Field, 1938b: 122; Holland, 1942: 80; S. L. de la Torre, 1943: 139; id., 1949: 65; Brown, 1944c: 346; Avinoff & Shoumatoff, 1946: 276; Bruner, 1947: 26; Garth, 1950: 20.

*Euptoieta claudia claudia*: Schweizer & W. Kay, 1941: 15.

This species was reported by the writer in 1943 (See Mem. Soc. Cub. Hist. Nat., vol. XVII, p. 139).

Illustrations.—Clark, 1932: pl. 21, f. 1, 2; J. H. Comstock & A. B. Comstock, 1936: pl. XVIII, f. 4; Holland, 1942: pl. V, f. 8, 9, (chrysalis), pl. VIII, f. 9; S. L. de la Torre, 1943: pl. 16, f. 1.

Genus *Melitæa* Fabricius

*Melitæa* Fabricius, 1807.

Genotype: *Papilio cinxia* Linnæus, 1758.

90. MELITÆA (MICROTIA) PELOPS PELOPS (Drury)

*Papilio pelops* Drury, 1770.

*Phyciodes pelops*: Gundlach, 1881: 53; Hall, 1936: 276.

*Phyciodes pelops aegon*: Bates, 1935: 162; Avinoff & Shoumatoff, 1946: 277.

*Phyciodes pelops pelops*: Comstock, 1944: 446.

*Melitæa (Microtia) pelops pelops*: S. L. de la Torre, 1952: 66.

We place this species in the subgenus *Microtia* of the genus *Melitæa* according to Wm. T. M. Forbes (See "The genus *Phyciodes*", 1945.

Ent. Amer., vol. XXIV, No. 4, p. 152 and 188).

Illustrations.—Comstock, 1944: text fig. 7, (venation), pl. 9, f. 1.

Genus *Phyciodes* Hübner

*Phyciodes* Hübner, 1819.

Genotype: *Papilio cocyta* Cramer, 1777 (= *Papilio tharos* Drury, 1773).

## 91. PHYCIODES (PHYCIODES) PHAON PHAON (Edwards)

*Melitæa phaon* Edwards, 1864.

*Phyciodes phaon*: M. Sánchez Roig & Gastón S. Villalba, 1934: 109; id., 1934b: 32; Field, 1938b: 115; Hoffmann, 1940c: 676; Holland, 1942: 137.

*Phyciodes phaon phaon*: Bates, 1935: 162; Brown, 1944c: 350; Bruner, 1947: 26.

*Phyciodes (Phyciodes) phaon*: Forbes, 1945: 154.

*Phyciodes (Phyciodes) phaon phaon*: S. L. de la Torre, 1952: 66.

Illustrations.—M. Sánchez Roig & G. S. Villalba, 1934b: f. 3; Holland, 1942: pl. XVII, f. 22, 23.

## 92. PHYCIODES (PHYCIODES) PHAON PHAON f. HIEMALIS Edwards

This is the winter form of that species, which was reported by the writer in 1952 (See Mem. Soc. Cub. Hist. Nat., vol. XXI, p. 66).

*Phyciodes (Phyciodes) phaon phaon f. æstiva* Edwards (1878: 179) is the summer form of that species.

## 93. PHYCIODES (ERESIA) FRISIA FRISIA (Poey)

*Melitea frisia* Poey, 1832.

*Phyciodes frisia*: Gundlach, 1881: 53; Avinoff & Shoumatoff, 1946: 277.

*Eresia frisia*: Holland, 1916: 491.

*Phyciodes frisia frisia*: Bates, 1935: 163; Comstock, 1944: 448.

*Anthanassa frisia*: Holland, 1942: 140.

*Phyciodes (Eresia) frisia frisia*: Forbes, 1945: 156; S. L. de la Torre, 1952: 66.

Illustrations.—Poey, 1832: 3 figs. not numbered; Bates, 1935: f. 12, (venation); Holland, 1942: text fig. 94, (neuriation), pl. XVII, f. 42; Comstock, 1944: pl. 6, f. 6; Forbes, 1945: pl. X, f. 29, (genital).

Genus *Chlosyne* Butler

*Chlosyne* Butler, 1870.

Genotype: *Papilio janais* Drury, 1782.

## 94. CHLOSYNE PEREZI PEREZI (Herrich-Schäffer)

*Synchlœ perezii* Herrich-Schäffer, 1862.

*Chlosyne perezii*: Gundlach, 1881: 54.

*Chlosyne perezii perezii*: Bates, 1935: 164; Comstock, 1944: 449.

Genus *Polygonia* Hübner

*Polygonia* Hübner, 1819.

*Grapta* Kirby, 1837.

Genotype: *Papilio c-aureum* Linnæus, 1758.

## 95. \* POLYGONIA INTERROGATIONIS f. FABRICII (Edwards)

*Polygonia interrogationis* form *fabricii*: Clark, 1932: 94; J. H. Comstock & A. B. Comstock, 1936: 134; Field, 1938b: 75; Hoffmann, 1940c: 680.

*Grapta interrogationis* var. *fabricii*: Fazzini, 1934: 30.

*Polygonia interrogationis*: Holland, 1942: 149.

*Polygonia interrogationis* var. *fabricii*: S. L. de la Torre, 1943: 140.

*Polygonia interrogationis fabricii*: S. L. de la Torre, 1949: 65.

This species was reported by the writer in 1943 (See Mem. Soc. Cub. Hist. Nat., vol. XVII, p. 140).

Illustrations.— Clark, 1932: pl. 10, f. 3; J. H. Comstock & A. B. Comstock, 1936: pl. XXIII, f. 1; Holland, 1942: pl. I, f. 3, pl. III, f. 23, 27, (larva), pl. IV, f. 21, 22, 24-26, 40, (chrysalis); pl. XIX, f. 1; S. L. de la Torre, 1943: pl. 16, f. 3.

Genus *Vanessa* Fabricius

*Cynthia* Fabricius, 1807: 88.

*Vanessa* Fabricius, 1807: 110.

*Pyrameis* Hübner, 1819.

Genotype: *Papilio atalanta* Linnaeus, 1758.

We use the name *Vanessa* according to Opinion number 156 of the International Commission on Zoological Nomenclature (See "Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature". Vol. 2, Part 26, pp. 239-250, London, 1944).

## 96. \* VANESSA ATALANTA ITALICA Stichel

*Vanessa atalanta italica* Stichel, 1907; Field, 1938b: 82; S. L. de la Torre, 1952: 68.

*Pyrameis atalanta*: Gundlach, 1881: 39.

*Vanessa atalanta* var. *edwardsi*?: Grinnell, 1918: 113.

*Vanessa atalanta*: Showalter, 1927: 107; Fazzini, 1934: 16; Bates, 1935: 165; J. H. Comstock & A. B. Comstock, 1936: 154; Hoffmann, 1940c: 680; Holland, 1942: 153; Comstock, 1944: 451; Brown, 1945: 31; Avinoff & Shoumatoff, 1946: 278; Bruner, 1947: 26; Garth, 1950: 27.

*Pyrameis atalanta atalanta*: Clark, 1932: 84.

Illustrations.—Showalter, 1927: pl. 3, f. 3; Clark, 1932: pl. 7, f. 5, 6; Fazzini, 1934: p. 17, fig. not numbered; J. H. Comstock & A. B. Comstock, 1936: pl. XXVI, f. 1, 2; Holland, 1942: pl. III, f. 35, pl. IV, f. 52, 53, 55, (chrysalis), pl. XLIII, f. 4.

## 97. VANESSA VIRGINIENSIS IOLE (Cramer)

*Papilio iole* Cramer, 1775.

*Pyrameis huntera*: Gundlach, 1881: 41.

*Vanessa virginiensis virginiensis*: Bates, 1935: 165.

*Vanessa virginiensis*: Comstock, 1944: 449; Avinoff & Shoumatoff, 1946: 278.

*Vanessa virginiensis iole*: d'Almeida, 1941: 308; S. L. de la Torre, 1952: 68.

## 98. VANESSA CARDUI CARDUELIS (Seba)

*Papilio carduelis* Seba, 1765; Cramer, 1779.

*Pyrameis cardui*: Gundlach, 1881: 40; Clark, 1932: 88; Fazzini, 1934: 14.

*Vanessa cardui*: Grinnell, 1918: 113; Bates, 1935: 166; J. H. Comstock & A. B. Comstock, 1936: 158; Hoffmann, 1940c: 681; Holland, 1942: 154; Comstock, 1944: 450; Brown, 1945: 31; Avinoff & Shoumatoff, 1946: 278; Bruner, 1947: 26; Garth, 1950: 27.

*Vanessa cardui carduelis*: Field, 1938b: 85; S. L. de la Torre, 1952: 68.

(TO BE CONTINUED)